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ABSTRACT OF THE DISCLOSURE

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A transmission (1) is proposed, especially an automated power-split multi-speed transmission, comprises at least three power branches (P1, P2, P3), which are each connected to a shaft (2, 3, 4) of a downstream planetary gearset (5) and are configured with at least one partial transmission ratio (i_1 , i_2 , i_3). Each power branch (P1, P2, P3) comprises a control element (S1, S5, S6) for connecting the power branches (P1, P2, P3) to a power flow of the transmission (1) at a partial transmission ratio (i_1 , i_2 , i_3). At least one of the shafts (3, 4) of the planetary gearset (5) interacts with an additional control element (S2, S4), via which the shaft (3, 4) can be supported in relation to a housing (6). An additional control element (S3) is arranged between two shafts (3, 4) of the planetary gearset (5) which, in its closed state, blocks the planetary gearset (5).